

Table of contents

Thank you for choosing our product. Please read the manual carefully to make best use of all functions of the product and to guarantee a long service life. Store the manual in a safe place for later reference.



1	Contents of package	3
2	Introduction.....	4
3	Getting started	5
3.1	Parts of your camera	5
3.2	Inserting the battery	7
3.3	Using the power supply/charger unit.....	8
3.4	Inserting and Removing the SD card	9
3.5	Attaching the carrying strap	10
3.6	Installing the driver.....	11
3.6.1	Installing the mass storage drivers (Windows 98)	11
3.6.2	Installing the driver in PC camera mode	12
4	Operation.....	14
4.2	Switching on and off	15
4.3	Operating modes	16
4.4	Video recording mode.....	17
4.5	Taking photographs	18
4.5.1	Single shot.....	19
4.5.2	Continuous shots	20
4.5.3	Self-Timer	20
4.6	Movie playback (MP4)	21
4.7	Playback mode	22
4.7.1	Playing photos	22
4.7.2	Playing videos	23
4.7.3	Playing audio.....	24
4.7.4	Voice notes for pictures	24

4.8	Recording audio	25
4.9	System settings	26
4.10	Mass storage mode	27
4.11	PC camera mode.....	28
4.12	File management.....	29
4.12.1	Deleting files	29
4.12.2	Protecting files against deletion	30
4.13	Connecting to the TV	31
5	Specifications	32
6	Troubleshooting.....	33
7	Further information	35
7.1	Safety instructions	35
7.2	Maintenance and care	35
7.3	Photo tips	36
7.4	Battery tips	36
7.5	Notes on the power supply	37
	Warranty conditions	38

1 Contents of package

Please ensure that the following items are included in the box:

- 1 x digital video camera ODYS MC-A5
- 1 x user manual
- 1 x Lithium battery
- 1 x USB cable
- 1 x AV cable
- 1 x CD-ROM (driver and application software)
- 1 x carrying case
- 1 x wrist strap
- 1 x power supply / charger unit

EN

**Caution**

Please read the general safety instructions in chapter 7 before using the camera. Pay particular attention to the instructions on safely concluding the digital transfer between the camera and computer in chap. 4.10.

2 Introduction

EN

This product is a digital imaging device with a digital video recorder, integrated digital camera, digital audio recorder and PC camera. It allows you to record videos, take digital photographs, make voice recordings or use as a webcam.

Your ODYS MC-A5 is equipped with a highly integrated digital video processor and powerful processing algorithms. With its highly developed CMOS image sensor, high resolution TFT LCD monitor and numerous functions, the camera offers an excellent cost/performance ratio. The device is compact, elegant and energy-efficient. It also comes with a full range of accessories and optional components.

Product properties

- MPEG4 video recording, 30 pictures/second, synchronous voice recording
- Still image capture with 5 megapixel image resolution
- Still image and video clip playback
- Digital sound recording: Voice notes for images or continuous sound recording
- Web camera for internet communication
- MP4 file playback
- Audio and video output; headset or TV
- Portable USB mass storage
- 2.36" TFT LCD monitor that can be rotated 270°
- Automatic shutdown conserves battery

Support

URL: <http://www.odys.de>

See our website for the latest information on this product, on other products by our company and on our company itself. If you have questions or problems, please read the FAQs on our website or contact our customer support service support@odys.de.

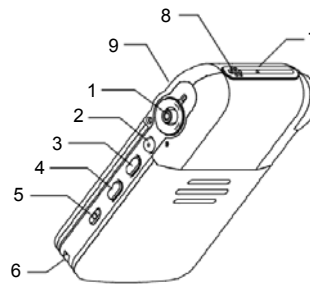
3 Getting started

3.1 Parts of your camera

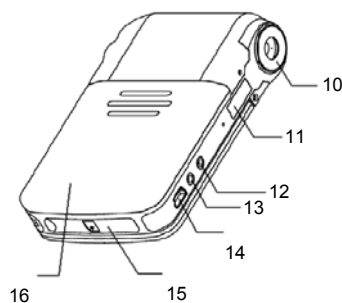
Familiarise yourself with the parts of your camera before use. That makes it easier to operate the camera.

EN

- 1 Joystick and OK button
- 2 Shutter release
- 3 Mode button
- 4 Menu button
- 5 On/off Button
- 6 Strap eye
- 7 Microphone
- 8 Loudspeaker
- 9 Operating /
Battery charging LED



- 10 Lens
- 11 Flash
- 12 Audio Out jack
- 13 Video Out jack
- 14 USB terminal
- 15 SD card slot
- 16 Cover of the battery compartment



Shutter release: Use the shutter release in recording mode to take pictures or to start and stop video recordings. Play and pause a video clip in MP4 mode.

Microphone: Converts sound waves into electronic signals when the camera is in sound recording mode.

Flash: If the surrounding area is too dark, the flash provides more light for your photograph (see chapter 4.5 for settings).

Lens: Optically transfers the images of the subject to be recorded onto the CMOS sensor.

USB terminal: When connected to the power supply adaptor, the video camera is supplied with power and the internal battery is charged. Interface to the PC (universal serial bus), the camera operates as a PC camera (WebCam) or mass storage via the interface.

Audio output: Establishes an audio connection between the camera and a TV using the AV cable. Headphones can also be connected.

Video output: Establishes a video connection between the camera and a TV using the AV cable. You can play back video clips or images on the TV.

Loudspeaker: Plays voice recordings and key signals.

Operating and Battery charging LED:

The LED is not illuminated when the camera is switched off.

Illuminated LED red: the camera is switched on and ready for use.

Flashing LED red: the flash is charging.

Illuminated LED green: the battery is being charged using the power supply adaptor.

Illuminated LED orange: the camera is switched on as the batteries are charging.

Mode button: Selects the operating modes

Joystick: Used for additional functions: menu selection, digital zoom, scroll function, volume adjustment. Use your thumbs to control the joystick.

OK button: Press the joystick in the middle to select the desired option from the sub-menu or to confirm a function

Strap eye: For attaching a carrying strap

Cover of the battery compartment: Slide down the cover of the battery compartment to open the compartment and replace the battery

Menu button: Opens and closes the menu

SD card slot: Slot for inserting and removing the SD card

On/off button: For switching the camera on and off

LCD display: Shows images, videos, the menu and status symbols and movie playback list

3.2 Inserting the battery

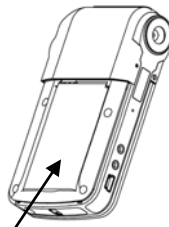
Use the included lithium-ion battery.

EN

- 1** To open the battery compartment, slide down the cover.



- 2** Insert the battery into the battery compartment, ensuring that the metal terminals of the battery and compartment are in contact with each other. Close the cover of the battery compartment.



- 3** Before using your camera for the first time, charge the battery using the power supply adaptor provided.



Do not remove the battery whilst the camera is on. Please also read the battery tips in chap. 7.4.

3.3 Using the power supply/charger unit

EN

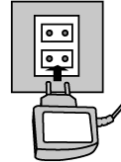
External power supply:

Even if there is no battery in the camera, you can power the video camera using the power supply adaptor.

- 1 Connect the camera to your computer using either the power supply adaptor or a USB cable.



- 2 Plug the power supply/charger unit into a socket. Press the on/off button on the camera and use the video camera as normal

**Charging the battery**

Insert the battery to be charged in the battery compartment of the camera and connect to the power supply as shown above. The operating and battery charging LED turns green. Charging an empty battery lasts approximately four hours; when the battery is fully charged, the LED is no longer illuminated.

The battery also charges when the camera is attached to the PC and is being used as a mass storage medium or a PC camera.

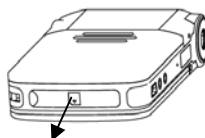
3.4 Inserting and Removing the SD card

You can use SD or MMC cards to increase the memory capacity. Switch off the camera before inserting the card. Insert the card as follows (photographs and videos are no longer stored in the internal memory, but stored on the card).

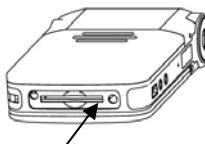
EN

Inserting the card

- 1 Open the cover of the card slot.



- 2 Insert the card in the card slot until it locks into place.



- 3 Close the cover of the card slot.

Removing the card

Open the cover of the card slot. Press the card downwards briefly to unlock it. Remove or change the card and close the card slot cover again.

3.5 Attaching the carrying strap

Attach the carrying strap for your convenience and for safety reasons.

EN

- 1 Pass the loop of the carrying strap through the eye as shown in the illustration.



- 2 Pull the other end of the carrying strap through the loop of the thin cord and pull the carrying strap tight.



Caution

1. Do not hang the camera around your neck using the carrying strap to avoid danger. This applies to children in particular.
2. When carrying the camera on the strap, ensure that you do not hit the camera against anything.
3. When attaching the carrying strap, place the camera on a solid surface to ensure that it cannot fall down and be damaged.

3.6 Installing the driver

The camera has two USB driver modes: Mass Storage Mode and PC Camera Mode. In mass storage mode, the camera acts as a portable memory (removable storage medium). The PC camera mode uses the PC video components (webcam). The procedure for installing the drivers for each of the two modes is described below.

NE

3.6.1 Installing the mass storage drivers (Windows 98)

The operating systems Windows Me, 2000 and XP include the necessary drivers and thus automatically identify the camera as a removable storage medium. In this case, you do not need to install any additional drivers. The description of the driver installation procedure refers to Windows 98.

1. Switch the camera to mass storage mode (see chapter 4.10) and connect the camera to your computer using the USB cable. The Found New Hardware Wizard appears on your PC monitor.

Click "Next" to open the next window.

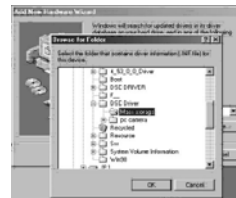


2. Select "Search for the best driver for your device" and click "Next". Insert the driver CD provided into the CD-ROM drive.



3. Select "Specify a location" and click "Browse". Specify the driver CD in your CD-ROM drive (X:\DSC Drivers\Mass, for example).

EN



4. Now click "Next". The system installs the driver and the following window appears:



5. Click "Finish" to complete installation.



6. You may be prompted to insert the Windows 98 CD during the installation process:



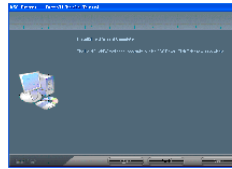
3.6.2 Installing the driver in PC camera mode

For webcam mode, a driver must be installed for each operating system.

Automatic installation

Run the setup program before connecting the camera to a PC.

Insert the driver CD provided into the CD-ROM drive. Open the "Drivers" folder in the CD ROM and double click on "setup.exe". The installation process begins and the accompanying dialogue window appears a few seconds later. Click Finish to complete the installation.



EN

Manuel Installation

1. Switch the camera to PC camera mode (see chapter 4.11) and connect the camera to your computer using the USB cable. Insert the driver CD provided into the CD-ROM drive. The accompanying dialogue window appears.



2. The rest of the installation process is the same as described for mass storage mode (location of the driver on the driver CD: X:\DSC Drivers\pc_cam\win_xp or X:\DSC Drivers\pc_cam\win98_2k).

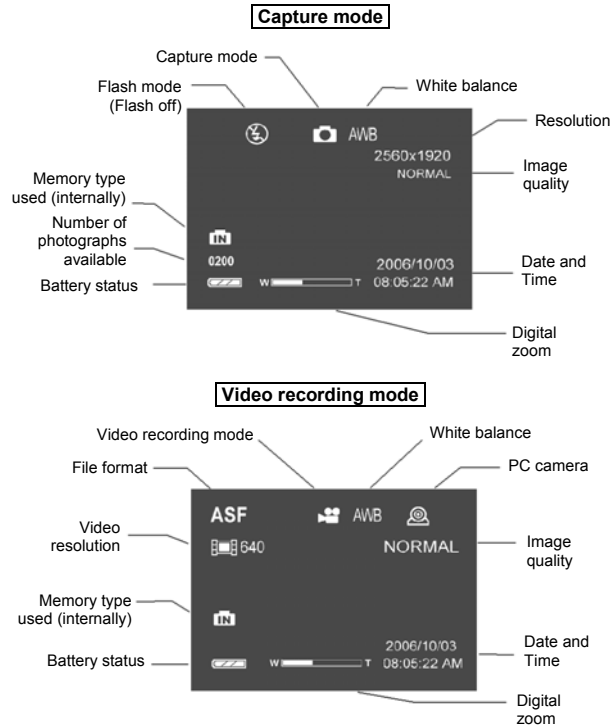
3. Click "Finish" to complete installation.

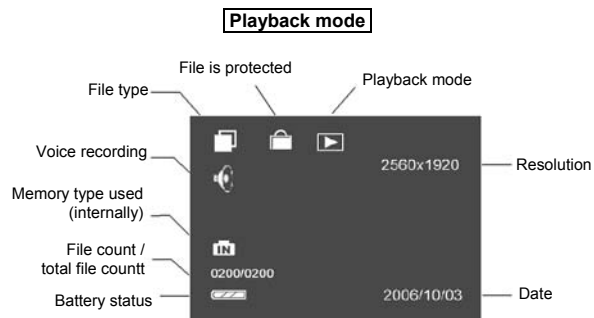
4 Operation

EN

4.1 LCD descriptions display

All the symbols shown on the LCD display are listed and described below. Familiarising yourself with these symbols makes it easier to operate the camera.





EN

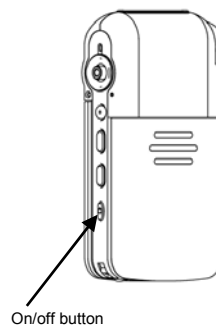
4.2 Switching on and off

Switching on

Press the On/Off button to switch the camera on. Following a short video animation, the camera switches to video recording mode.

Switching off

Press and hold the On/Off button to switch the camera off. The LCD goes blank.



EN



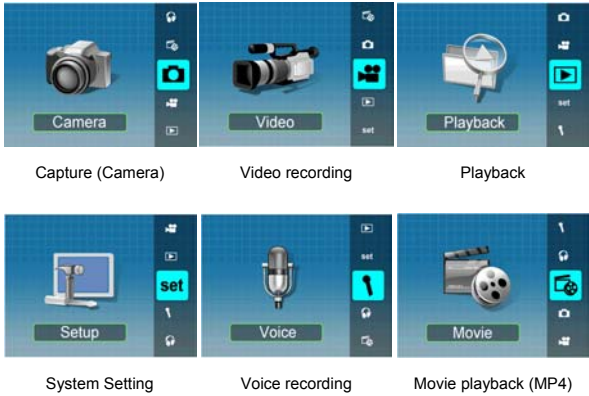
In order to conserve the battery, the camera is deactivated automatically after it has been idle for a specific time period ("Auto Power Off" in setup menu).

Malfunctions

If the camera system hangs up and the on/off button is no longer effective, briefly remove the battery from the battery compartment (reset). Place the battery back in and the camera should resume normal operation.

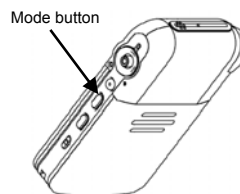
4.3 Operating modes

The video camera offers the following six operating modes. When the camera is switched on, it is automatically in video recording mode.



Mode selection

- 1 Press the mode button to call the mode selection menu.
- 2 Select your required mode by moving the joystick up or down.
- 3 Confirm your chosen mode using the OK button.



EN

4.4 Video recording mode

Switch the camera on and press the shutter release to start recording a video. Press the shutter release again to stop recording.



Move/pan the camera slowly to make good videos. Do not forget to end the video recording mode; otherwise the entire memory space is used.

Settings in the video recording menu

- 1 Press the menu button to call the video recording menu.



- 2 Select your desired option by moving the joystick up or down and confirm using the OK button.
- 3 Choose the setting you require using the joystick and press the OK button.

You have the choice of the following menu settings for video recording:

Video format	ASF, MOV, WMF
Resolution (pixel)	640x480, 320x240
Image quality	Fine, Normal, Basic
White balance	Auto, sunny, cloudy, fluorescent, tungsten
Exposure compensation (EV)	+2 to -2 in ½ steps
Photo Effect	Normal, Sepia, B/W (Black/White), Soft and Vivid
Anti-vibration	On, Off

4.5 Taking photographs

In capture mode, you have three different capture options:

Single shot	When the shutter release is pressed, a single photograph is taken.
Continuous shots	When the shutter release is pressed, a series of four photographs is taken.
Self-Timer	The photograph is taken 10 seconds after the release is pressed


4.5.1 Single shot

When the shutter release is pressed all the way down, a single photograph is taken.

NE

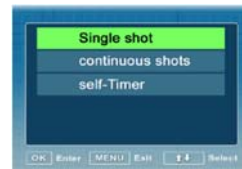
- 1 Select capture mode.
When the camera is switched to capture mode, it automatically activates the single shot option.
- 2 Select the LCD display and move the joystick up by pressing (▲) to zoom in, or move the joystick down by pressing (▼) to zoom out.
- 3 Press the shutter release to take a photograph.

Follow the menu instructions below to get to the single shot function if either the continuous shots or self-timer function is active:

- 1 Press the menu button. Select the  symbol using the joystick and press OK to confirm.




- 2 Choose the "Single shot" setting using the joystick and press the OK button.



4.5.2 Continuous shots

When the shutter release is pressed, a series of four photographs is taken. Hold the camera steady when pressing the shutter release.

To change to the continuous shots function, follow the menu instructions below:

- 1 Press the menu button. Select the  symbol using the joystick and press OK to confirm.



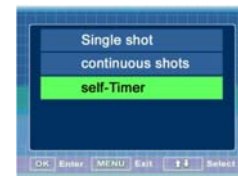
- 2 Choose the "Continuous shots" setting using the joystick and press the OK button.



4.5.3 Self-Timer

The photograph is taken 10 seconds after the release is pressed.

To use the self-timer function, simply follow the menu instructions above.



You have the choice of the following menu settings for capture:

Capture options	Single shot, Continuous shots, Self-Timer
White balance	Auto, sunny, cloudy, fluorescent, tungsten
Exposure compensation (EV)	+2 to -2 in ½ steps
Resolution (pixel)	2816x2112, 2560x1920, 2048x1536, 1600x1200, 800x600
Image quality	Fine, Normal, Basic
Photo Effekt	Normal, Sepia, B/W (Black/White), Soft and Vivid
Flash Mode	Auto, On, Off

NE

4.6 Movie playback (MP4)

When you select this mode, a movie playback list is displayed.



Use the joystick and the shutter release to control movie playback. The following table outlines the button commands.

	Movie playback	Movie playback list
◀	Fast rewind, Back to playback list when the video has ended	
▶	Fast forward	
▲	Increase volume	Select the previous file
▼	Reduce volume	Select the next file
OK	Pause and continue playback	Play the selected movie
Shutter release	Start and stop movie playback	

Downloading MP4 files

If the playback list in movie playback mode is empty, you first need to download MP4 files from your PC.

- 1** To do this, connect the video camera to your PC as a mass storage medium using the USB cable.
- 2** Open the corresponding removable storage medium drive of the camera, and create a folder named "MPEG" in the root directory if there is not one already.
- 3** Convert any existing video files into MP4 format using the software provided, and copy the new MP4 videos into the MPEG folder.



For detailed instructions, refer to "Guidelines for MP4 File Play" on the CD ROM.

4.7 Playback mode

If playback mode is activated, the last picture, video or voice recording is displayed. The symbol in the top left corner of the LCD display indicates the file type.


4.7.1 Playing photos**Full screen**

The image is displayed in its entirety on the LCD.


Use the joystick buttons ◀ and ▶ to display the previous or next picture. Use the ▲ or ▼ buttons to zoom in and out.

Thumbnail view

Several photographs are displayed in a thumbnail view on the LCD.

- 1 Press the menu button. Press ▲ or ▼ to select the symbol  and press OK to confirm.
- 2 Select the desired thumbnail view (2x2, 3x3 or 4x4) using the ▲ or ▼ joystick buttons and press OK. You can now select a picture using ▲, ▼, ◀ and ▶ and display it across the entire screen by pressing OK.

**4.7.2 Playing videos**

The  symbol on the screen signifies a video file.

- 1 Press the shutter release to start playing the video. Press the shutter release again to stop playing.
- 2 Press the joystick buttons ▲ or ▼ during playback to set the volume.
- 3 Use the joystick buttons ◀ or ▶ to rewind or fast-forward the video.

4.7.3 Playing audio

The symbol "WAV" in the top left corner of the LCD display indicates an audio file.

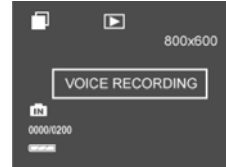
- 1 Press the shutter release to start and stop voice recording playback.
- 2 Press the joystick buttons ▲ or ▼ during playback to set the volume.



4.7.4 Voice notes for pictures

Recording voice notes

- 1 Select the picture to be commented on as required using ◀ and ▶ in playback mode.
- 2 Press the shutter release to start recording the voice notes. "VOICE RECORDING" appears on the LCD. Press the shutter release again to stop voice recording.

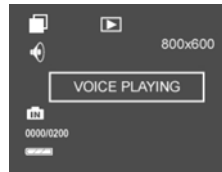


Playing voice notes

When the 🗣️ symbol appears in a picture on the LCD display, the picture contains voice notes.

- 1 Press the shutter release to start playing the voice notes.

- 2 Press the shutter release again to stop playing the voice notes. You can replay these voice notes.



NE

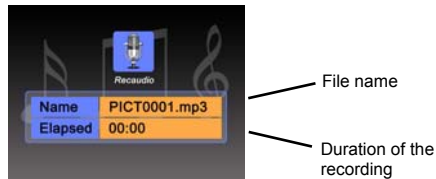
Deleting voice notes

See chapter 4.12.1 „Deleting files“.

4.8 Recording audio

Select this operating mode by following the relevant steps in chapter 4.3.

Press the shutter release once to start sound recording. Press the shutter release again to stop sound recording.



The sound is recorded as a WAV file. The length available depends on the size of the memory.

4.9 System settings

EN

Select this operating mode by following the relevant steps in chapter 4.3. The mode System settings allows you to change important system settings for your video camera. It contains a total of 12 options.



You have the choice of the following menu settings:

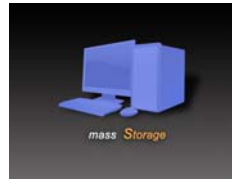
Date settings	Year/month/day	hours/minutes	am(pm)
Date/time display	Year/month/day/hours/minutes Year/month/day		
Time stamp	on off		
TV system	NTSC PAL		
Key tones	on off		
Format	internally SD card		
Select memory	internally SD card		
LCD self-off	15 s	30 s	never
Camera self-off	60 s	120 s	never
Language	English, French, German, Spanish, Italian and Dutch		
Factory reset	reset cancel		
System version	...		

4.10 Mass storage mode

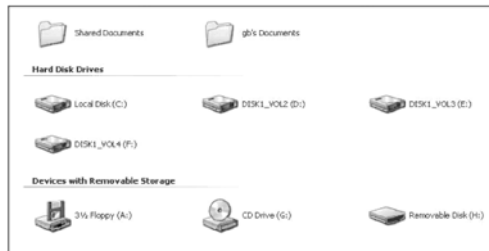
The camera must be set to Mass storage mode to transfer files between the camera and your PC. In doing so, the camera behaves as a disk drive.

NE



- 1 Switch on the video camera and stop video recording mode (by changing to capture mode, for example).
- 2 Connect the digital camera to the PC using the USB cable. The camera is detected as a mass storage device and the corresponding message appears in the display.



- 3 Open Windows Explorer or My Computer to access the contents of the camera memory. You can copy, move and delete image and video files.



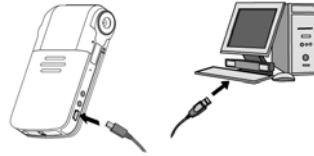
**Caution**

Disable the digital camera from the operating system correctly using the "Remove Hardware Safely" option . Ensure that no files are being transferred between the camera and the computer. Click the task bar on the right-hand side below the  symbol and select the "Remove USB Mass Storage Device – Drive (X:)" in the following dialog window. Then the message now appears that the hardware can be removed. Now remove the USB-cable from the camera.

4.11 PC camera mode

In this case, PC camera means that camera connected to your PC using the USB interface is used as a peripheral video device on your PC (Webcam). You can transmit a video data stream to your PC. Using special application software, you can display and save moving pictures on the monitor or transfer them using a network.

- 1 Switch the camera on and keep the video recording mode activated.
- 2 Connect the digital camera to the PC using the USB cable. The camera now functions as a PC camera.



Read through the PC camera drive installation instructions in chapter 3.6.2 before using the video camera as a PC camera.

If you are using the camera as a PC camera and wish to change to mass storage mode, press the mode button.

4.12 File management

Press the menu button in playback mode. The file management menu opens.

NE

4.12.1 Deleting files

Files consists of pictures, videos and voice notes.

The following delete options are available:

Delete current file: The current file is deleted.

Delete sound: The voice notes of the current picture are deleted.

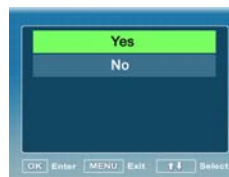
Delete all files: All files are deleted (except for protected files).

Format: Formats the memory. All files in the memory are deleted. In some cases, it is necessary to format new memory cards or those which have previously been used in other systems prior to use in the camera.

- 1 Select the desired delete option using the ▲ or ▼ joystick button and press OK.




- 2 Select Yes using ▲ or ▼ and press OK to confirm. Select "NO" to abort the procedure.



4.12.2 Protecting files against deletion

EN


This camera offers a lock function to avoid accidentally deleting selected images and videos and to prevent you from adding or deleting voice notes.


- 1 Select the file to be protected in playback mode. Press the menu button. Press ▲ or ▼ to select the symbol  and press OK to confirm.

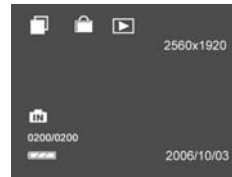


- 2 Select Lock using ▲ or ▼ and press OK to confirm.



- 3 **Protect (LOCK):**
The current file is protected.
The  symbol appears on the image in the LCD.

Unprotect (UNLOCK):
The current file is unlocked and can be deleted. The  symbol is no longer displayed.



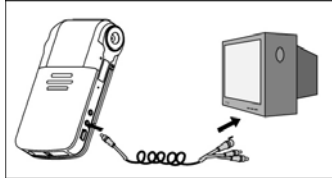
**Caution**

SD cards can be write-protected using an integrated lock. If the SD card in the camera is write-protected, you cannot save images, videos or sound recordings to it, delete existing data or format the card. The data can only be played back.

EN

4.13 Connecting to the TV

Connect the video/audio output of the camera to the video/audio input on the television using the AV cable provided, and select the corresponding video input (see TV operating instructions).



The camera LCD turns off if the connection is correct. You can now play back your videos and images on the television set.



The TV system specified in the system settings menu should match that of your television set. Select PAL or NTSC as required.



5 Specifications

EN

Sensor	5.17 Megapixel CMOS
Effective resolution	2560x1920, 2048x1536, 1600x1200, 800x600
Interpolated resolution	2816x2112
Image quality	Fine, Normal, Basic
Colour	24-bit (RGB)
LCD monitor	2.36 inch TFT/LCD monitor
Lens	F2.8, Fixfocus
Zoom factor	Digital zoom, 4x for Recording and 16x for Playing
Focal length	1 m ~ infinity
Shutter speed	1/2 - 1/4000 sec
Exposure	Auto -2 to +2 EV in steps of ½ EV
White balance	Auto, Daylight, Cloudy, Fluorescent and Tungsten
Shutter release in succession	< 3 sec
Sequence	series of four photographs
Playback delay	< 3 sec
Self-Timer	10 second delay with LED display
Flash	Auto, flash on, flash off
Flash charge time	< 8 sec (at room temperature and with full battery)
Flash range	1 - 2 m
Memory medium	32 MB internally, SD or MMC card externally
File format	JPEG + Exif2.2
PC camera	30 fps CIF pictures
Recording videos	MPEG-4, QVGA or VGA @ 30 fps
Video playback	MP4 playback
Sound recording	Sound recording and playback
Sensitivity	Auto
Compatible systems	Windows 98/Me/2000/XP and Mac OS 8.0 and above
Language	English, French, German, Italian, Dutch and Spanish
Interfaces	USB 2.0, AV output
Power supply	rechargeable lithium-ion battery
Dimensions	98 mm x 56 mm x 20 mm
Weight	~ 105 g (without battery)

6 Troubleshooting

If your camera does not work properly, please check the following items. If the problem still exists please contact your dealer.



Symptoms	Cause and solution	
Camera does not switch on.	Cause:	Battery is inserted incorrectly or dead, No voltage from power supply adaptor
	Solution:	Check the polarity or replace, Check power supply adaptor
Camera suddenly shuts down	Cause:	Battery is dead, power supply adaptor switches off
	Solution:	Charge battery, Check power supply adaptor
Short battery life	Cause:	The battery is not fully charged or is too old
	Solution:	Fully charge or replace battery
No flash	Cause:	Battery is weak or flash mode is off
	Solution:	Insert fresh battery or switch flash on
Pictures are not clear	Cause:	The lens is dirty or was moved while the picture was taken.
	Solution:	Clean the lens or keep the camera still while taking a picture
NO CARD is displayed when the SD card is inserted	Cause:	Card is inserted incorrectly, poor contact
	Solution:	Insert the card correctly, clean contacts
No mass storage and PC camera function	Cause:	Driver is not installed correctly, incorrect setting.
	Solution:	Install the driver correctly, set the respective online mode correctly
No key tones	Cause:	Key tones are switched off
	Solution:	Activate the key tones
Several pictures cannot be deleted.	Cause:	Pictures are protected before being deleted.
	Solution:	Switch off protection function
The LCD image has spots on it.	Cause:	Insufficient lighting, strong electromagnetic interference
	Solution:	Improve lighting conditions, use flash, avoid interference

Pictures are not saved after being taken	Cause:	SD card is damaged, memory is full, SD card is write-protected, incorrect format
	Solution:	Replace card, remove some files, switch off write protection, format card
Camera switches off after 5 minutes. LCD switches off.	Cause:	Camera shuts down automatically.
	Solution:	Restart camera.
Variations in colour	Cause:	White balance does not correspond to the current lighting conditions
	Solution:	Set correct white balance or set to auto
Images are too light or too dark	Cause:	Centre of motif is too dark or too bright, Incorrect exposure balance
	Solution:	Avoid having bright or dark objects in the centre of the motif or adjust the exposure balance

7 Further information

7.1 Safety instructions

Although this product is safe, please observe the following information and warnings.

EN

**Caution**

- Do not modify or dismantle the camera. Contact your dealer for repairs and inspections.
- Do not shake the camera or subject it to hard knocks. The camera may be damaged if it falls.
- Ensure that no water or moisture enters the camera. This can cause short circuits and accidents.
- Do not expose the camera to direct sunlight for extended time periods; keep the camera away from strong electromagnetic fields and smoke.

Note

When using the flash, do not look directly into it, as this can damage the eyes.

7.2 Maintenance and care

Keep the camera and in particular, the lens and LCD clean. Never touch the lens with your fingers.

Please clean the body, lens and LCD as follows:

- Do not use thinning or cleaning agents which contain petrol. This could damage the camera.
- Clean the camera body with a soft cloth.
- Lens: First remove dust with a lens brush. Then clean with a soft cloth.
- Do not use powerful cleaning agents on the body and lens (contact your dealer if dirt cannot be removed).
- Do not apply pressure to the LCD or use hard objects to clean it.

7.3 Photo tips

For excellent photographs, please observe the following tips:

- Do not move the camera quickly to prevent the photos being out of focus. Hold the camera steady when pressing the shutter release. Do not move the camera immediately after pressing the shutter release. Wait until you hear the sound signal before moving the camera.
- Look at the subject through the viewfinder before pressing the shutter release.
- Check the angle if the subject is backlit. Move to the side to reduce the backlighting.
- Use the flash in dark conditions.
- Move/pan the camera slowly to make good videos. Pans that are too fast result in out of focus and blurry videos.

7.4 Battery tips

Incorrect handling of the batteries can cause them to leak, become hot or explode. Observe the following safety instructions:

- Only use the rechargeable batteries and power supply adaptor that were supplied with the video camera.
- It is normal for the battery to heat up whilst charging. However, stop charging if the battery overheats significantly.
- Do not heat batteries or dispose of them in fires.
- Do not transport batteries with metallic objects, as they can come into contact with the battery poles and cause damage.
- Do not expose batteries to moisture. Always store them in a dry area.
- Do not dismantle, deform or modify batteries. Never remove the cover of the battery. Do not subject the battery to hard impact. Never use leaking or damaged batteries.
- Keep batteries out of reach of children.
- Ensure that the polarity is correct when inserting the batteries into the camera.
- Battery power is reduced in cold environments (-10 °C or colder, applies to alkaline batteries in particular)..

- If the camera is not to be used for a longer period of time, remove the battery.
- Used batteries should be disposed of properly to protect the environment.

NE

7.5 Notes on the power supply

Observe the following safety instructions:

- Ensure that it is securely connected and handle the connector with care.
- During operation, the power supply unit becomes warm. This is normal. After serious overheating, do not reuse the power supply unit.
- Do not dismantle the power supply unit. This can lead to accidents.
- Do not use the device in very hot and humid conditions.
- Do not subject the device to hard knocks.

The design, technical data and documentation can be changed at any time without notification.

Warranty conditions

EN

EN

The following conditions comprise the requirements and scope of our warranty conditions and do not affect our legal and contractual warranty obligations.

We offer a warranty on our products in accordance with the following conditions:

1. We will remedy free of charge any product damage or defect that is proven to be based on a manufacturing fault, provided the end user reports this immediately upon noticing it and within a period of 24 months following the date of purchase.
The warranty does not cover batteries and other parts, which are considered consumables, parts that break easily such as glass or plastic or defects based on normal wear and tear. There is no warranty obligation in the event of marginal differences compared to the target appearance and workmanship provided these have a negligible effect on the product's fitness for use, in the event of damage caused by chemical or electrochemical effects, by water or generally from abnormal conditions.
2. The warranty will be performed in such a way that we shall decide whether to repair the defective parts or to replace them with working parts free of charge. AXDIA reserves the right to exchange the product for a replacement product of equal value if the product that is sent in cannot be repaired within a reasonable time or at reasonable cost. The product can also be exchanged for a different model of the same value. Requests cannot be made for repairs to be carried out on site. Parts that have been replaced or exchanged become our property.
3. The warranty claim does not apply if repairs or other work is carried out by unauthorized persons or if our products are equipped with additional parts or accessories that are not approved for our products.
4. Warranties that have been activated do not cause the warranty period to be extended, nor do they trigger a new warranty period. The warranty period for any replacement parts installed ends with the warranty period for the entire product.
5. Any other or further claims are excluded, especially those for replacement due to damage caused outside of the product, provided there is no obligatory legal liability. We therefore accept no liability for accidental, indirect or other consequential damage of any kind, which leads to usage restrictions, data loss, loss of earnings or interruption to business.

Asserting a warranty claim

1. To make use of the warranty service, you must contact the AXDIA Service Center by e-mail, fax or phone (see below for contact details). You can also use the service form on our website or on the back of the warranty conditions.
2. AXDIA Service Center will try to diagnose and solve your problem. If it is determined that a warranty claim exists, you will be given an RMA number (Return Material Authorization) and you will be asked to send the product to AXDIA.

IMPORTANT: AXDIA will only accept parcels that have an RMA number.

Please observe the following when sending the product:

1. Send the product suitably packaged with carriage and insurance paid. Do not enclose any accessories with the products (no cables, CD's, memory cards, manuals, etc.), unless the AXDIA Service Centre specifies otherwise.
2. Mark the RMA number on the outside of the package in such a way that it is visible and clearly legible.
3. You must enclose a copy of the sales slip as proof of purchase.
4. Once AXDIA has received the product, it will meet its warranty obligations in accordance with the warranty conditions and will return the product to the sender with carriage and insurance paid.

Service outside of warranty

AXDIA can refuse any service claim made that is not covered by the warranty. If AXDIA agrees to provide a service outside the warranty, the customer will be invoiced for all repair and transport costs.

AXDIA will not accept any packages that have not first been approved by AXDIA by means of an RMA (Return Material Authorization).

NE

AXDIA INTERNATIONAL GmbH
Service Center
Halskestrasse 15
D-47877 Willlich

Service Hotline (Mo-Fr: 9:00 - 17:00)
Tel: +49-2154-8826-101
Fax: +49-2154-8826-111
Email: support@odys.de
Web: www.odys.de

